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JC063 U.S. PTO

Please type a plus sign (+) inside this box → ☒

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No	476-1978.1
First Inventor	Kitchener
Title	MIMO Wireless Communication System
Express Mail Label No	EL 761 854 611 US

JC079 U.S. PTO
09/975653

10/11/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Assistant Commissioner for Patent,
Box Patent Application
Washington, D.C. 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **25**]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **14**]
5. Oath or Declaration [Total Pages **1**]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet See 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large table or Com. etc.
Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i) Applicant must attach form PTO/SB/35
or its equivalent
17. ☐ Other

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information. Examiner _____ Group / Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name	William M. Lee, Jr.			
	Lee, Mann, Smith, McWilliams, Sweeney & Ohlson			
Address	209 South LaSalle Street Suite 410			
City	Chicago	State	IL	Zip Code 60604-1202
Country	USA	Telephone	312-368-1300	Fax 312-368-0034

Name (Print/Type)	Peter J. Shakula	Registration No (Attorney/Agent)	40,808
Signature		Date	October 11, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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10/11/01

PTO/SB/17 (XX-XX)
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002 <i>Patent fees are subject to annual revision.</i>		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	Kitchener
		Examiner Name	
		Group Art Unit	
		Attorney Docket No.	476-1978.1
TOTAL AMOUNT OF PAYMENT		\$794.00	

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09/975653
10/11/01

METHOD OF PAYMENT		FEE CALCULATION (continued)	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number 12-0913 Deposit Account Name <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR § 1.27		3. ADDITIONAL FEES Large Entity Small Entity Fee Code Fee (\$) Fee Code Fee (\$) Fee Description Fee Paid	
2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other		105 130 205 65 Surcharge - late filing fee or oath	
FEE CALCULATION		127 50 227 25 Surcharge - late provisional filing fee or cover sheet	
1. BASIC FILING FEE Large Entity Small Entity Fee Code Fee (\$) Fee Description Fee Paid		139 130 139 130 Non - English specification	
101 740 201 370 Utility filing fee 740.00		147 2,520 147 2,520 For filing a request for <i>ex parte</i> reexamination	
106 330 206 165 Design filing fee		112 920* 112 920* Requesting publication of SIR prior to Examiner action	
107 510 207 255 Plant filing fee		113 1,840* 113 1,840* Requesting publication of SIR after Examiner action	
108 740 208 370 Reissue filing fee		115 110 215 55 Extension for reply within first month	
114 160 214 80 Provisional filing fee		116 400 216 200 Extension for reply within second month	
SUBTOTAL (1) 740.00		117 920 217 460 Extension for reply within third month	
2. EXTRA CLAIM FEES		118 1,440 218 720 Extension for reply within fourth month	
Total Claims 23 -20** = 3 X 18.00 = 54.00		128 1,960 228 980 Extension for reply within fifth month	
Independent Claims 3 -3** = 0 X 84.00 = 0.00		119 320 219 160 Notice of Appeal	
Multiple Dependent		120 320 220 160 Filing a brief in support of an appeal	
Large Entity Small Entity Fee Code Fee (\$) Fee Description Fee Paid		121 280 221 140 Request for oral hearing	
103 18 203 9 Claims in excess of 20		138 1,510 138 1,510 Petition to institute a public use proceeding	
102 84 202 42 Independent claims in excess of 3		140 110 240 55 Petition to revive - unavoidable	
104 280 204 140 Multiple dependent claim, if not paid		141 1,280 241 640 Petition to revive - unintentional	
109 84 209 42 ** Reissue independent claims over original patent		142 1,280 242 640 Utility issue fee (or reissue)	
110 18 210 9 ** Reissue claims in excess of 20 and over original patent		143 460 243 230 Design issue fee	
SUBTOTAL (2) 54.00		144 620 244 310 Plant issue fee	
**or number previously paid, if greater, For Reissues, see above		122 130 122 130 Petitions to the Commissioner	
		123 50 123 50 Processing fee under 37 CFR § 1.17(q)	
		126 180 126 180 Submission of Information Disclosure Statement	
		581 40 581 40 Recording each patent assignment per property (times number of properties)	
		146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))	
		149 740 249 370 For each additional invention to be examined (37 CFR § 1.129(b))	
		179 740 279 370 Request for Continued Examination (RCE)	
		169 900 169 900 Request for expedited examination of a design application	
		Other fee (specify)	
		SUBTOTAL (3) 0.00	

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Peter J. Shakula	Registration No. (Attorney/Agent)	40,808
Signature		Telephone	312-368-1300
		Date	October 11, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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CASE NO. 476-1978.1
Nortel

Please acknowledge
receipt of the
enclosed:

New Patent Application of:
Kitchener et al
MIMO WIRELESS COMMUNICATION SYSTEM

1. Fee Transmittal Letter
2. Utility Patent Application Transmittal
3. 25 Specification Pages
4. 13 Sheets of Drawings
5. Information Disclosure Statement: Form PTO
1449
6. Check No. 46461 for \$794.00
7. Certificate of EXPRESS MAIL
8. Return Post Card.

DUE DATE (If Any): New Application

DATE SENT: October 11, 2001
tjb

"Express Mail" mailing label number
EL 761 854 611 US

Date of deposit: October 11, 2001

I hereby certify that this paper or fee is being deposited with the
United States Postal Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the date indicated above
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Washington, D.C. 20231.

Jorge Galvan
(Typed or printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)